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(54) Title: SEPARATING MATERIAL

(57) Abstract: The present invention provides a separating material producible by a) providing a solid substrate, having amino-functional groups coupled to the substrate surface, b) covalently coupling of the amino-functional groups with a thermally labile radical initiator, c) contacting the substrate surface with a solution of polymerizable monomers under conditions, where thermally initiated graft copolymerization of the monomers takes place, to form a structure of adjacent functional polymer chains on the surface of the substrate. The present invention further provides a method for the production of a separating material by a) providing a solid substrate, having aminofunctional groups coupled to the substrate surface, b) covalently coupling of the aminofunctional groups with a thermally labile radical initiator, c) contacting the substrate surface with a solution of polymerizable monomers under conditions, where thermally initiated graft copolymerization of the monomers takes place, to form a structure of adjacent functional polymer chains on the surface of the substrate.



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